

PUSH OFF DIVERTER FOR SORTATION SYSTEMS

ABSTRACT OF THE DISCLOSURE

5 **[0015]** The push off diverter may be used to push objects off of a conveyor. The push off diverter may have a frame having a slide support element with a push bar attached. An electric gearmotor may be attached to the diverter frame and the output motor shaft may have a lever arm attached. A push rod may have a ball end element at each end. A first end of the push rod
10 may be attached at the approximate outer end of the lever arm and a second end may be attached to a bracket that may be attached to the push bar. There may be a control unit that may apply electric power to rotate the electric gearmotor, to activate a brake for the electric gearmotor, and to terminate power for rotation of the electric gearmotor.